Deputy Commandant for Installations & Logistics brief to Maritime & Land Supply Chain Conference

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"If you don't like change, you're going to like irrelevance even less..."

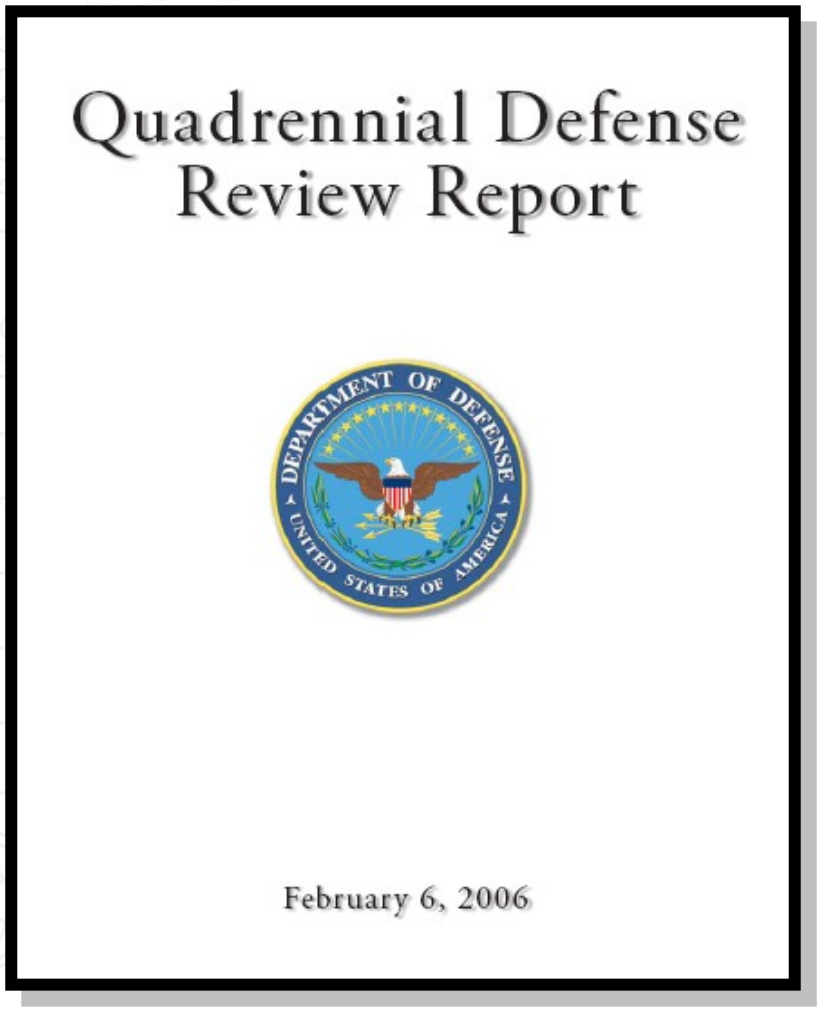
GEN Eric Shinseki (USA),
Army Chief of Staff

The Environment – Our Mandate

Logistics Modernization

"Just as U.S. forces are becoming more agile and capable of rapid action and are exploiting information advantages to increase operational effectiveness, . . . processes that support them need to develop similar attributes."

-Quadrennial Defense



Logistics Modernization

Agenda

- USMC Logistics Modernization
- Logistics Chain in Theater
- Emerging Capabilities

USMC Logistics Modernization Focus on the Deployed MAGTF

- Enhanced Battlefield Capabilities
  - Tactical Focus; Deployment and Employment
  - Deployed vs Garrison-focused Organization
  - Comprehensive Doctrine/Policy Review and Rework
- Future Warfighting Capabilities (EMW/STOM/Seabasing/DO)
- Naval/Marine Air Ground Task Force (MAGTF)/Joint

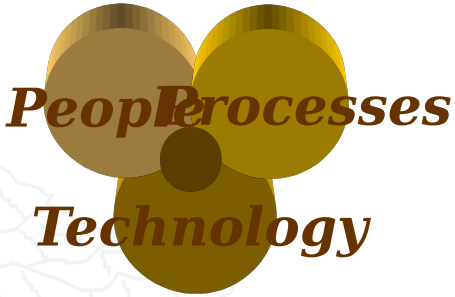
In order to…

- Improve support to the MAGTF in the maneuver
- Garrison configuration the same as deployed and…

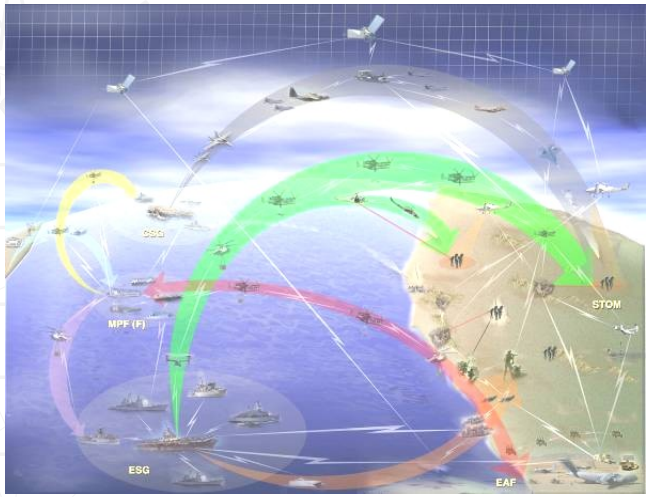
IN THE FIGHT!

Logistics Modernization

USMC Logistics Modernization Initiatives



- **People/Organization**
  - Marine Logistics Group
  - Training and Education
- **Process Realignment**
  - Maintenance
  - Supply
  - Distribution
- **Technology**
  - Bridge Systems
  - GCSS-MC
  - Autonomic Logistics
- **MAGTF/Naval/Joint Log Integration**
- **Army Partnership**



Logistics Modernization

The Operational Environment

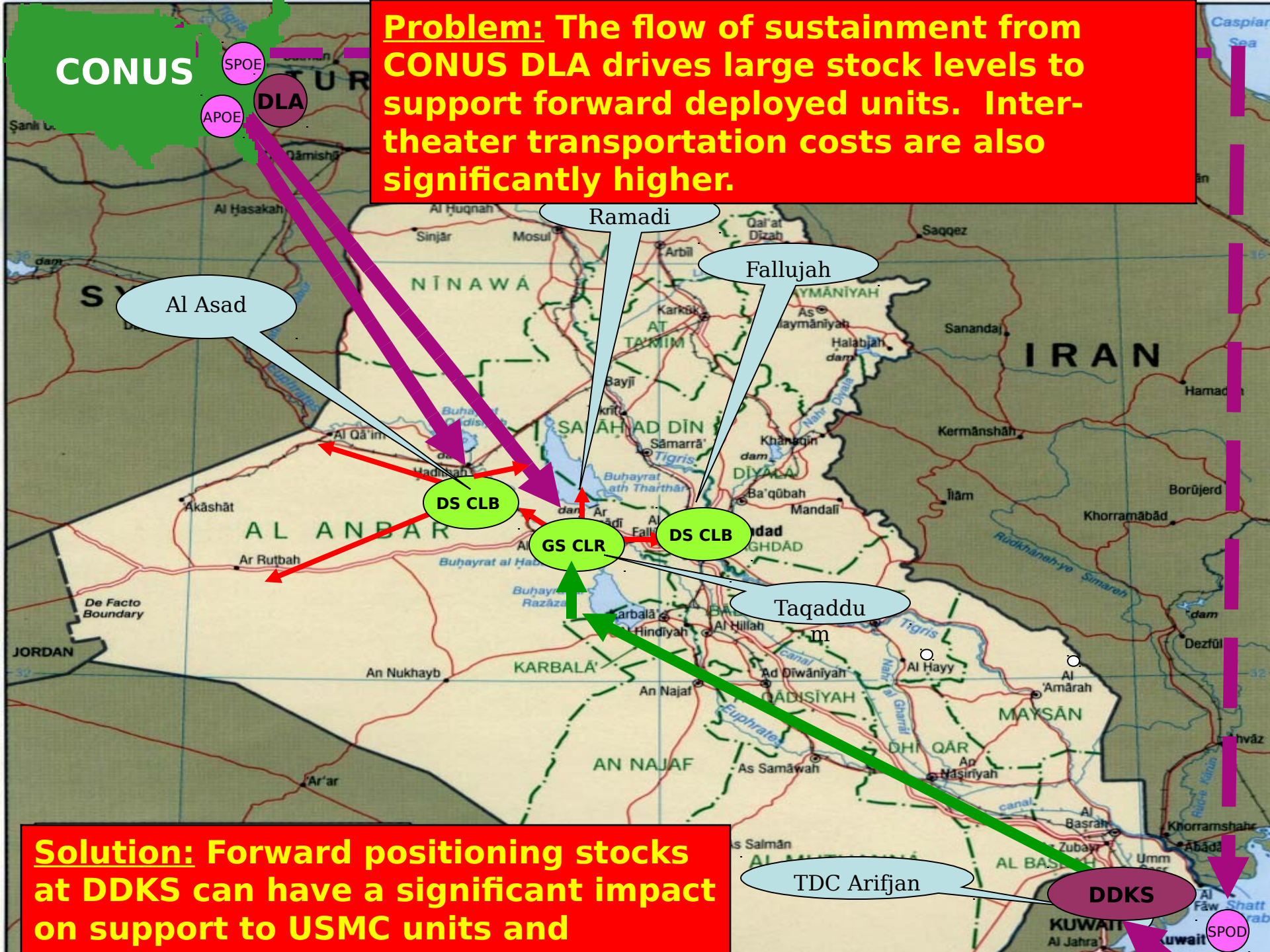
- **Widely dispersed operations** – *Demands a globally-distributed concept of support*
- **Increased contractor support** – *>180 contractors with an Marine Logistics Group; multiple supply chains; complicated tactically*
- **A new enemy** – *Knows that our logistics capability gives us staying power*
- **Joint, inter/intra-agency & multinational** – *Scope & complexity has expanded dramatically*
- **Unsecured LOCs** – *Entire logistics pipeline is a target*
- **Resource Pressure** – *We must become more efficient*

Logistics Chain in Theater

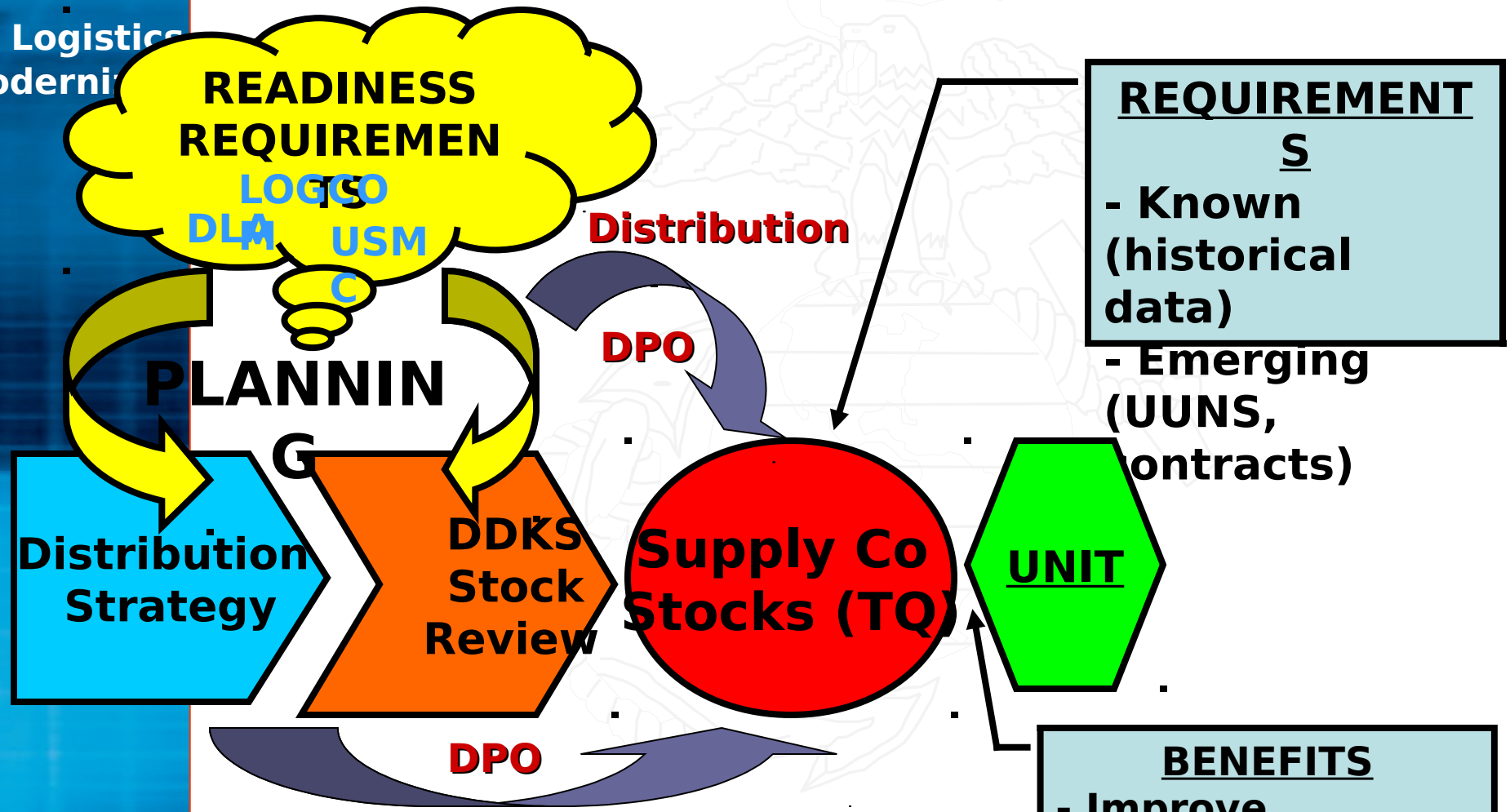
Logistics Modernization

- Robust SMU/Intermediate Supply Point rqmt in Theater
- Establishment of CDDOC at the Operational Level
  - Similar construct as DDOC at Strategic Level
- DPO, DLA, CENTCOM and the Warfighter
  - Capacity Management/ITV tools used to improve distribution pipeline
  - Management of Channel Flights = responsive sustainment support
  - Goal: Reduce USMC inventory by 50%
    - USMC Intermediate Supply Point in Iraq = 6th largest DLA customer
  - Open distribution pipeline from Jordan for
    - Perishable Food, Water, Fuel, Commercially Procured Items

DPO Concept/CDDOC = force multiplier


CONUS
SPOE
APOE
DLA
Problem: The flow of sustainment from CONUS DLA drives large stock levels to support forward deployed units. Inter-theater transportation costs are also significantly higher.
Ramadi
Fallujah
Al Asad
DS CLB
GS CLR
DS CLB
Taqaddum
TDC Arifjan
DDKS
SPOD
Solution: Forward positioning stocks at DDKS can have a significant impact on support to USMC units and

Stocking Methodology



Right Item at the Right Place, All the Time!

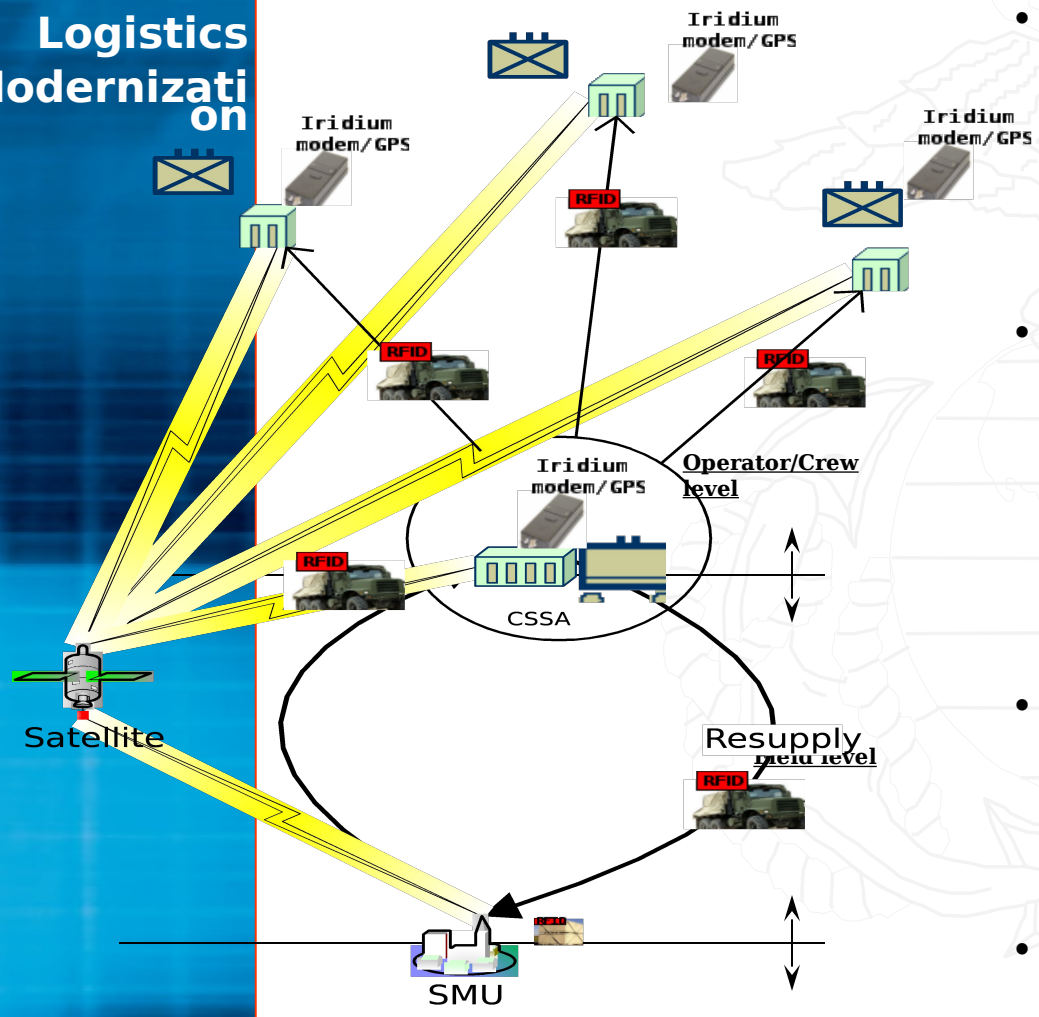
Logistics Modernization

Emerging Capabilities: RFID

- Active RFID tags used on all overseas shipments
  - Read/write capability augmented by Portable Kits (PDKs/EEDSKs) … and Army interrogators
  - Unprecedented intransit visibility
- W2W - RFID tag associated with tracking terminal – provides last tactical mile asset visibility/accountability
- Passive RFID pilot underway
- Active and Passive RFID integration next step

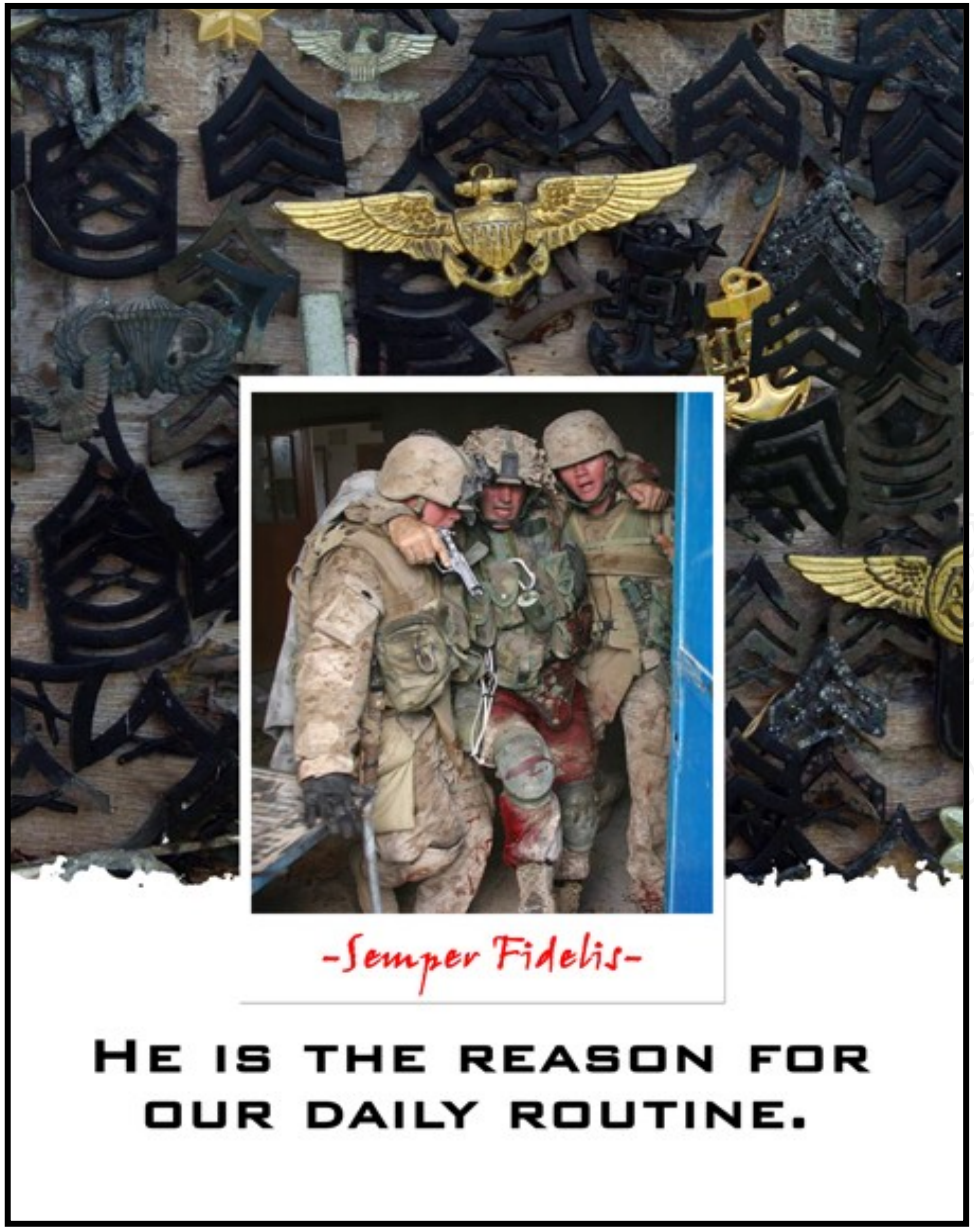
Emerging Capabilities: Virtual Kitting

Logistics Modernization



- **Providing Capabilities vs. Parts**
- **Every "Virtual Kit" is a maintenance capability**
  - Utilizing existing RFID technology to track and push capabilities
  - Capabilities pushed to Expeditionary Capability Sets based on automated resupply transactions
- **Capabilities positioned based on ROM**
  - Increases operational availability through distribution while improving ground maintenance support capabilities.
  - Contact teams deploy with capabilities tailored to meet expected maintenance problems
- **Responsive and visible**
  - Commander's requirement filled forward
  - Maintenance capability visible within and across Expeditionary Capability Sets.
- **Focuses supply in support of the warfighter's maintenance effort**

Logistics Modernization



Backup Slides

- Logistics Chain in Theater
- Emerging Capabilities

Today's Distribution Process

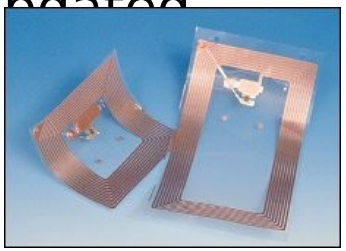
Logistics Modernization

- No process owner: multiple "belly-buttons" within the MEF
- Cumbersome/outdated/functional and process stove pipes, policies and enablers
  - **JOPES/MILSTRIP/MILSTAMP /Commercial**
- Different processes, people and systems for garrison and theater distribution (SE and CSSE)
- Focus on garrison processes and efficiencies
- Associated functions (PE&B, DSU, PP&P, S&R, TMO) are currently vested in different command structures
- Gaps in IT and processes
- No consistency in processes between the MEFs
- Numerous Supply Chains depending on how the requestor orders the product
- Distribution Planning Deficiencies

RFID – Pilots/Implementation

Logistics Modernization

- Passive RFID Pilot Program at Camp Lejeune
  - Utilize Passive RFID tagged shipments from DLA
  - Focus on distribution point for inbound shipments (TMO)
    - Middleware will feed Passive RFID data to existing system
    - Feed to supply/warehousing system planned
- Active/Passive RFID Integration at I MEF
  - Integrated Supply Inventory System (ISIS) will scan Passive RFID tag data to an Active RFID tag
  - Establishes parent/child relationship
  - As case/pallets are pulled from container, Passive RFID tags are read and the active tag inventory is updated
  - Satellite link provides global data communicat
  - Provides accurate, near real-time tracking of a



Expeditionary Warehouse Management System

ITV NETWORK

Shared Data Warehouse

Ethernet Connectivity
USB Flash File Transfers
SALTS
EMAIL

Provide Data Transmission
Provide Global Position Data

Iridium & Cellular, Communications

Current Inventory Levels
LUBF DATASETS

RF

Read / Write Active Tags , provides in transit inventory visibility
300 ft read / write range , identify container contents, search by NSN

RF

Read Passive / Active RFID Tags and Barcodes.
Inventory Management
of Receipts, Issues, Inventory Level & Transaction History
Import and Search

Virtual Kit Management

Powered via HUMVEE, Solar, Direct Power or Batteries

ISIS

USMC Logistics Challenges

Operational…

- **Readiness: Equipment, Personnel, Supply, Training**
- **Battlefield Stress on Equipment**
  - Repair
  - Replace
  - Remain Behind
- **Resetting the Force**
- **Equipment Cross-leveling for training and contingencies**

Transformation…

- **Battlefield requirements**
- **Change Management**
- **Communications**